

1	gcgggagggcg	gacgagatgc	gagcgcgggc	gcggcccccg	ccgctctggg	cgactgtgct
61	ggcgctgggg	gcgctggcg	gcgttggcgt	aggagggccc	aacatctgta	ccacgcgagg
121	tgtgagctcc	tgccagcagt	gcctggcgtg	gagcccccag	tgtgcctggg	gctctgatga
181	ggccctgcct	ctgggctcac	ctcgctgtga	cctgaaggag	aatctgctga	aggataactg
241	tgccccagaa	tccatcgagt	tcccagtgag	tgaggccccg	gtactagagg	acaggccccct
301	cagcgacaag	ggctctggag	acagctccca	ggtcactcaa	gtcagtcccc	agaggattgc
361	actccggctc	cggccagatg	attcgaagaa	tttctccatc	caagtgcggc	aggtggagga
421	ttaccctgtg	gacatctact	acttgatgga	cctgtcttac	tccatgaagg	atgatctgtg
481	gagcatccag	aacctgggta	ccaagctggc	caccagatg	cgaaagctca	ccagtaacct
541	gcggattggc	ttcggggcat	ttgtggacaa	gcctgtgtca	ccatacatgt	atatctcccc
601	accagaggcc	ctcgaaaacc	cctgctatga	tatgaagacc	acctgcttgc	ccatgtttgg
661	ctacaaacac	gtgctgacgc	taactgacca	ggtgacccgc	ttcaatgagg	aagtgaagaa
721	gcagagtgtg	tcacggaacc	gagatgcccc	agaggggtgg	tttgatgcca	tcatgcaggc
781	tacagtctgt	gatgaaaaga	ttggctggag	gaatgatgca	tcccacttgc	tgggtgttac
841	cactgatgcc	aagactcata	tagcattgga	cggaggctg	gcaggcattg	tccagcctaa
901	tgacgggcag	tgtcatgttg	gtatgacaa	tcattactct	gcctccacta	ccatggatta
961	tccctctttg	gggctgatga	ctgagaagct	atcccagaaa	aacatcaatt	tgatctttgc
1021	agtgactgaa	aatgtagtca	atctctatca	gaactatagt	gagctcatcc	cagggaccac
1081	agttggggtt	ctgtccatgg	attccagcaa	tgtcctccag	ctcattgttg	atgcttatgg
1141	gaaaatccgt	tctaaagtag	agctggaagt	gcgtgacctc	cctgaagagt	tgtctctatc
1201	cttcaatgcc	acctgcctca	acaatgaggt	catccctggc	ctcaagtctt	gtatgggact
1261	caagattgga	gacacggtga	gcttcagcat	tgaggccaag	gtgcgaggct	gtccccagga
1321	gaaggagaag	tcctttacca	taaagcccgt	gggcttcaag	gacagcctga	tcgtccaggt
1381	cacctttgat	tgtgactgtg	cctgccaggc	ccaagctgaa	cctaatagcc	atcgctgcaa
1441	caatggcaat	gggacctttg	agtgtggggt	atgccgttgt	gggcctggct	ggctgggatc
1501	ccagtgtgag	tgctcagagg	aggactatcg	cccttcccag	caggacgaat	gcagcccccg
1561	ggagggtcag	cccgctctgca	gccagcgggg	cgagtgcctc	tgtggtaaat	gtgtctgcca
1621	cagcagtgc	tttggaaga	tcacgggcaa	gtactgcgag	tgtgacgact	tctcctgtgt
1681	ccgctacaag	ggggagatgt	gctcaggcca	tggccagtgc	agctgtgggg	actgcctgtg
1741	tgactccgac	tggaccggct	actactgcaa	ctgtaccacg	cgtactgaca	cctgcatgtc
1801	cagcaatggg	ctgctgtgca	gcggcccgcg	caagtgtgaa	tgtggcagct	gtgtctgtat
1861	ccagccgggc	tcctatgggg	acacctgtga	gaagtggccc	acctgcccag	atgcctgcac
1921	ctttaagaaa	gaatgtgtgg	agtgtaaaga	gtttgaccgg	gagccctaca	tgaccgaaaa
1981	tacctgcaac	cgttactgcc	gtgacgagat	tgagtcagtg	aaagagctta	aggacactgg
2041	caaggatgca	gtgaattgta	cctataagaa	tgaggatgac	tgtgtcgtca	gattccagta
2101	ctatgaagat	tctagtggaa	agtccatcct	gtatgtggta	gaagagccag	agtgtcccaa
2161	gggccctgac	atcctgggtg	tcctgtctct	agtgtgggg	gccattctgc	tcattggcct
2221	tgccgccttg	ctcatctgga	aactcctcat	caccatccac	gaccgaaaag	aattcgctaa
2281	atttgaggaa	gaacgcgcca	gagcaaaatg	ggacacagcc	aacaaccac	tgtataaaga
2341	ggccacgtct	accttcacca	atatcacgta	ccggggcact	taatgataag	cagtcacctc
2401	cagatcatta	tcagcctgtg	ccacgattgc	aggagtccct	gccatcatgt	ttacagagga
2461	cagtatttgt	ggggagggat	ttggggctca	gagtggggta	ggttgggaga	atgtcagtat
2521	gtggaagtgt	gggtctgtgt	gtgtgtatgt	gggggtctgt	gtgtttatgt	gtgtgtgttg
2581	tgtgtgggag	tgtgtaattt	aaaattgtga	tgtgtcctga	taagctgagc	tccttagcct
2641	ttgtcccaga	atgcctcctg	cagggattct	tcctgcttag	cttgagggtg	actatggagc
2701	tgagcagggtg	ttcttcatta	cctcagttag	aagccagctt	tcctcatcag	gccattgtcc
2761	ctgaagagaa	gggcagggtc	gaggcctctc	attccagagg	aagggacacc	aagccttggc
2821	tctaccctga	gttcataaat	ttatggttct	caggcctgac	tctcagcagc	tatggtagga
2881	actgctgggc	ttggcagccc	gggtcatctg	tacctctgcc	tcctttcccc	tcctcagggc
2941	cgaaggagga	gtcagggaga	gctgaactat	tagagctgcc	tgtgcctttt	gccatccccct
3001	caaccagct	atggttctct	cgcaagggaa	gtccttgcaa	gctaattctt	tgacctgttg
3061	ggagttagga	tgtctggggc	actcaggggt	cattcatggc	ctgggggatg	taccagcatc
3121	tcccagttca	taatcacaac	ccttcagatt	tgccttattg	gcagctctac	tctggaggtt
3181	tgtttagaag	aagtgtgtca	cccttaggcc	agcaccatct	ctttacctcc	taattccaca

Fig. 1

3241	ccctcactgc	tgtagacatt	tgctatgagc	tggggatgtc	tctcatgacc	aaatgctttt
3301	cctcaaagg	agagagtgt	attgtagagc	cagaggtctg	gccctatgct	tccggcctcc
3361	tgtccctcat	ccatagcacc	tccacatacc	tggccctgag	ccttggtgtg	ctgtatccat
3421	ccatggggct	gattgtat	accttctacc	tcttggtgtg	cttggtgaagg	aattattccc
3481	atgagttggc	tgggaataag	tgccaggatg	gaatgatggg	tcagttgtat	cagcacgtgt
3541	ggcctgttct	tctatgggtt	ggacaacctc	attttaactc	agtctttaat	ctgagaggcc
3601	acagtgcaat	tttattttat	ttttctcatg	atgagggttt	cttaacttaa	aagaacatgt
3661	atataaacat	gcttgcatta	tatttgtaaa	tttatgtgta	tggcaaagaa	ggagagcata
3721	ggaaaccaca	cagacttggg	caggttacag	acactcccac	ttggcatcat	tcacagcaag
3781	tcactggcca	gtggctggat	ctgtgagggg	ctctctcatg	atagaaggct	atggggatag
3841	atgtgtggac	acattggacc	tttctgagg	aagagggact	gttcttttgt	cccagaaaag
3901	cagtggctcc	attggtgttg	acatacatcc	aacattaaaa	gccaccccca	aatgcccagg
3961	aaaaaaagaa	agacttatca	acatttggtc	catgagg		

Fig. 1 cont.

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1 gcgggaggcg gacgagatgc gagcgcgggc ggggccccgg ccgctctggg cgactgtgct
61 ggcgctgggg gcgctggcgg gcgttggcgt aggaggggccc aacatctgta ccacgcgagg
121 tgtgagctcc tgccagcagt gcctggctgt gagccccatg tgtgcctggt gctctgatga
181 ggccctgcct ccg ggctcac tcgctgtga cctgaaggag aatctgctga aggataactg
241 tgccccagaa tccatcgagt tcccagtgag tgaggccccga gtactagagg acaggccccct
301 cagcgacaag ggctctggag acagctccca ggtcactcaa gtcagtcctc agaggattgc
361 actccggctc cggccagatg attcgaagaa tttctccatc caagtgcggc aggtggagga
421 ttaccctgtg gacatctact acttgatgga cctgtcttac tccatgaagg atgatctgtg
481 gagcatccag aacctgggta ccaagctggc caccagatg cgaaagctca ccagtaacct
541 gcggattggc ttcggggcat ttgtggacaa gcctgtgtca ccatacatgt atatctcccc
601 accagaggcc ctcgaaaacc cctgctatga tatgaagacc acctgcttgc ccatgtttgg
661 ctacaaacac gtgctgacgc taactgacca ggtgacccgc ttcaatgagg aagtgaagaa
721 gcagagtgtg tcacggaacc gagatgcccc agagggtggc tttgatgcca tcatgcaggc
781 tacagtctgt gatgaaaaga ttggctggag gaatgatgca tcccacttgc tgggtgttac
841 cactgatgcc aagactcata tagcattgga cggaaggctg gcaggcattg tccagcctaa
901 tgacgggcag tgtcatgttg gtagtgacaa tcattactct gcctccacta ccatggatta
961 tccctctttg gggctgatga ctgagaagct atcccagaaa aacatcaatt tgatctttgc
102 agtgactgaa aatgtagtca atctctatca gaactatagt gagctcatcc cagggaccac
1081 agttgggggt ctgtccatgg attccagcaa tgtcctccag ctcatgtttg atgcttatgg
1141 gaaaatccgt tctaaagtag agctggaagt gcgtgacctc cctgaagagt tgtctctatc
1201 cttcaatgcc acctgcctca acaatgaggt catccctggc ctcaagtctt gtatgggact
1261 caagattgga gacacggtga gttcagcat tgaggccaag gtgcgaggct gtccccagga
1321 gaagagagaag tcctttacca taaagcccgt gggcttcaag gacagctgta tgcctcaggt
1381 cacccttgat tgtgactgtg cctgcccaggc ccaagctgaa cctaatagcc atcgtcgcaa
1441 caatggcaat gggacctttg agtggtgggt atgccgttgt gggcctggct ggctgggatc
1501 ccagtgtgag tgctcagagg aggactatcg cccttcccag caggacgaat gcagcccccg
1561 ggagggtcag cccgtctgca gccagcgggg cgagtgcctc tgtggtcaat gtgtctgcca
1621 cagcagtgac tttggcaaga tcacgggcaa gtactgagag tgtgacgact tctcctgtgt
1681 ccgctacaag ggggagatgt gctcaggcca tggccagtgc agctgtgggg actgcctgtg
1741 tgactccgac tggaccggct actactgcaa ctgtaccacg cgtactgaca cctgcatgtc
1801 cagcaatggg ctgctgtgca gcggccgcgg caagtgtgaa tgtggcagct gtgtctgtat
1861 ccagccgggc tcctatgggg acacctgtga gaagtgcctc acctgcccag atgcctgcac
1921 ctttaagaaa gaatgtgtgg agtgtaagaa gtttgaccgg gagccctaca tgaccgaaaa
1981 tacctgcaac cgttactgcc gtgacgagat tgagtcagtg aaagagctta aggacactgg
2041 caaggatgca gtgaattgta cctataagaa tgaggatgac tgtgtcgtca gattccagta
2101 ctatgaagat tctagtggaa agtccatcct gtatgtggta gaagagccag agtgtcccaa
2161 gggccctgac atcctgggtg tcctgtcttc agtgatgggg gccattctgc tcattggcct
2221 tgccgcctg ctcatctgga aactcctcat caccatccac gaccgaaaag aattcgctaa
2281 atttgaggaa gaacgcgcca gagcaaaatg ggacacagcc aacaaccac tgataaaga
2341 ggccacgtct accttcacca atatcacgta ccggggcact taatgataag cagtcacctt
2401 cagatcatta tcagcctgtg ccacgattgc aggagtccct gccatcatgt ttacagagga
2461 cagtatttgt ggggagggat ttggggctca gagtggggta ggttgggaga atgtcagtat
2521 gtggaagtgt ggggtctgtg gtgtgtatgt ggggtctgt gtgtttatgt gtgtgtgtg
2581 tgtgtgggag tgtgtaattt aaaattgtga tgtgtcctga taagctgagc tccttagcct
2641 ttgtcccaga atgcctcctg cagggtattc tcctgcttag cttgagggtg actatggagc
2701 tgagcaggtg ttcttcatta cctcagttag aagccagctt tcctcatcag gccattgtcc
2761 ctgaagagaa gggcagggct gaggcctctc attccagagg aagggacacc aagccttggc
2821 tctaccctga gttcataaat ttatggttct caggcctgac tctcagcagc tatggtagga
2881 actgctgggc ttggcagccc gggtcactctg tacctctgcc tcctttcccc tccctcaggc
2941 cgaaggagga gtcagggaga gctgaactat tagagctgcc tgtgcctttt gccatcccct
3001 caaccagct atggttctct cgcaaggga gtccttgcaa gctaattctt tgacctgttg
3061 ggagtgagga tgtctgggcc actcaggggt cattcatggc ctgggggatg taccagcatc
3121 tcccagttca taatcacaa ccttcagatt tgccttattg gcagctctac tctggagggtt
3181 tgtttagaag aagtgtgtca cccttaggcc agcaccatct ctttacctcc taattccaca

```

Fig. 2

3241	ccctcactgc	tgtagacatt	tgctatgagc	tggggatgtc	tctcatgacc	aaatgctttt
3301	cctcaaaggg	agagagtgtc	attgtagagc	cagaggtctg	gccctatgct	tccggcctcc
3361	tgtccctcat	ccatagcacc	tccacatacc	tggccctgag	ccttggtgtg	ctgtatccat
3421	ccatggggct	gattgtattt	accttctacc	tcttggctgc	cttgtgaagg	aattattccc
3481	atgagttggc	tgggaataag	tgccaggatg	gaatgatggg	tcagttgtat	cagcacgtgt
3541	ggcctgttct	tctatgggtt	ggacaacctc	attttaactc	agtctttaat	ctgagaggcc
3601	acagtgcaat	tttattttat	ttttctcatg	atgaggtttt	cttaacttaa	aagaacatgt
3661	atataaacat	gcttgcatta	tatttgtaaa	tttatgtgta	tggcaaagaa	ggagagcata
3721	ggaaaccaca	cagacttggg	cagggtagag	acactcccac	ttggcatcat	tcacagcaag
3781	tcactggcca	gtggctggat	ctgtgagggg	ctctctcatg	atagaaggct	atggggatag
3841	atgtgtggac	acattggacc	tttcctgagg	aagagggact	gttcttttgt	cccagaaaag
3901	cagtggctcc	attggtgttg	acatacatcc	aacattaaaa	gccaccccca	aatgccaag
3961	aaaaaaagaa	agacttatca	acatttgttc	catgagg		

Fig. 2 cont.

1	MRARPRPRPL	WVTVLALGAL	AGVGVGGPNI	CTTRGVSSCQ	QCLAVSPMCA	WCSDEALPLG	60
61	SPRCDLKENL	LKDNCAPESI	EFVSEARVL	EDRPLSDKGS	GDSSQVTQVS	PQRIALRLRP	120
121	DDSKNFSIQV	RQVEDYPVDI	YYLMDLSYSM	KDDLWSIQNL	GTKLATQMRK	LTSNLRIGFG	180
181	AFVDKPVSPY	MYISPPEALE	NPCYDMKTTC	LPMFGYKHVL	TLTDQVTRFN	EEVKKQSVSR	240
241	NRDAPEGGFD	AIMQATVCDE	KIGWRNDASH	LLVFTTDAKT	HIALDGRLAG	IVQPNDGQCH	300
301	VGSDNHYSAS	TTMDYPSLGL	MTEKLSQKNI	NLIFAVTENV	VNLYQNYSEL	IPGTTVGVL	360
361	MDSSNVQLI	VDAYGKIRSK	VELEVRDLPE	ELSLSFNATC	LNNEVIPGLK	SCMGLKIGDT	420
421	VSFSIEAKVR	GCPQEKEKSF	TIKPVGFKDS	LIVQVTFDCD	CACQAQAEPN	SHRCNNGNGT	480
481	FECGVCRCGP	GWLGSQLCECS	EEDYRPSQQD	ECSREGQPV	CSQRGECLCG	QCVCHSSDFG	540
541	KITGKYCED	DFSCVRYKGE	MCSGHGQCSC	GDCLCSDWT	GYCNCTTTRT	DTCMSSNGLL	600
601	CSGRGKCECG	SCVCIQPGSY	GDTCEKCPTC	PDCTFKKEC	VECKKFDREP	YMTENTCNRY	660
661	CRDEIESVKE	LKDTGKDAVN	CTYKNEDDCV	VRFYEDSS	GKSILYVVEE	PECPKGPDI	720
721	VVLLSVMGAI	LLIGLAALLI	WKLLITIHDR	KEFAKFEEER	ARAKWDTANN	PLYKEATSTF	780
781	TNITYRGT						

Fig. 3

1	MRARPRPRPL	WVTVLALGAL	AGVGVGGPNI	CTTRGVSSCQ	QCLAVSPMCA	WCSDEALPPG	60
61	SPRCDLKENL	LKDNCAPESI	EFVSEARVL	EDRPLSDKGS	GDSSQVTQVS	PQRIALRLRP	120
121	DDSKNFSIQV	RQVEDYPVDI	YYLMDLSYSM	KDDLWSIQNL	GTKLATQMRK	LTSNLRIGFG	180
181	AFVDKPVSPY	MYISPPEALE	NPCYDMKTTC	LPMFGYKHVL	TLTDQVTRFN	EEVKKQSVSR	240
241	NRDAPEGGFD	AIMQATVCDE	KIGWRNDASH	LLVFTTDAKT	HIALDGRLAG	IVQPNDGQCH	300
301	VGSDNHYSAS	TTMDYPSLGL	MTEKLSQKNI	NLIFAVTENV	VNLYQNYSEL	IPGTTVGVL	360
361	MDSSNVQLI	VDAYGKIRSK	VELEVRDLPE	ELSLSFNATC	LNNEVIPGLK	SCMGLKIGDT	420
421	VSFSIEAKVR	GCPQEKEKSF	TIKPVGFKDS	LIVQVTFDCD	CACQAQAEPN	SHRCNNGNGT	480
481	FECGVCRCGP	GWLGSQLCECS	EEDYRPSQQD	ECSREGQPV	CSQRGECLCG	QCVCHSSDFG	540
541	KITGKYCED	DFSCVRYKGE	MCSGHGQCSC	GDCLCSDWT	GYCNCTTTRT	DTCMSSNGLL	600
601	CSGRGKCECG	SCVCIQPGSY	GDTCEKCPTC	PDCTFKKEC	VECKKFDREP	YMTENTCNRY	660
661	CRDEIESVKE	LKDTGKDAVN	CTYKNEDDCV	VRFYEDSS	GKSILYVVEE	PECPKGPDI	720
721	VVLLSVMGAI	LLIGLAALLI	WKLLITIHDR	KEFAKFEEER	ARAKWDTANN	PLYKEATSTF	780
781	TNITYRGT						

Fig. 4

1	gatggccaga	gctttgtgtc	cactgcaagc	cctctggcctt	ctggagtgagg	tgtgtgtgtc
61	cttgggacct	tgtgtgtgcc	ctccagcctg	ggccttgaac	ctggacccag	tgcagctcac
121	cttctatgca	ggccccaatg	gcagccagtt	tggattttca	ctggacttcc	acaaggacag
181	ccatgggaga	gtggccatcg	tgggtgggcg	cccgcggacc	ctgggcccc	gccaggagga
241	gacggggcgc	gtgttcctgt	gcccctggag	ggccgagggc	ggccagtgcc	cctcgtgct
301	ctttgacctc	cgtgatgaga	cccgaatgt	aggctcccaa	actttacaaa	ccttcaaggc
361	ccgccaagga	ctgggggcgt	cggtcgtcag	ctggagcgac	gtcattgtgg	cctgcgcccc
421	ctggcagcac	tggaacgtcc	tagaaaagac	tgaggaggct	gagaagacgc	ccgtaggtag
481	ctgctttttg	gctcagccag	agagcggccg	ccgcgccgag	tactccccct	gtcgcgggaa
541	caccctgagc	cgcatttacg	tggaaaatga	ttttagctgg	gacaagcggt	actgtgaagc
601	gggcttcagc	tccgtggtca	ctcaggcccg	agagctgggt	cttggggctc	ctggcggcta
661	ttattttctta	ggtctcctgg	cccaggctcc	agttgcggat	attttctcga	gttaccgccc
721	aggcatcctt	ttgtggcacg	tgtcctccca	gagcctctcc	tttgactcca	gcaaccacaga
781	gtacttcgac	ggctactggg	ggtactcggg	ggccgtgggc	gagttcgacg	gggatctcaa
841	cactacagaa	tatgtcgtcg	gtgccccac	ttggagctgg	accctgggag	cgggtgaaat
901	tttgatttcc	tactaccaga	ggctgcacgc	gctgcgcgca	gagcagatgg	cgtcgtatct
961	tgggcattca	gtggctgtca	ctgacgtcaa	cggggatggg	aggcatgata	tgtgtgtggg
1021	cgtctccatg	tatatggaga	gccgggcaga	ccgaaaactg	gccgaagtgg	ggcgtgtgta
1081	tttgttcttg	cagccgcgag	gccccacgc	gctgggtgcc	cccagcctcc	tgtgtactgg
1141	cacacagctc	tatgggcgat	tcggctctcg	catcgacacc	ctgggcgacc	tcgaccggga
1201	tggctacaat	gacattgcag	tggctgcccc	ctacgggggt	cccagtggcc	ggggccaagt
1261	gctggtgttc	ctgggtcaga	gtgaggggct	gaggtcacgt	ccctcccagg	tcctggacag
1321	ccccctcccc	acaggctctg	cctttggctt	ctcccttcga	ggtgccgtag	acatcgatga
1381	caacggatac	ccagacctga	tcgtgggagc	ttacggggcc	aaccagggtg	ctgtgtacag
1441	agctcagcca	gtggtgaagg	cctctgtcca	gctactgggt	caagattcac	tgaatcctgc
1501	tgtgaagagc	tgtgtcctac	ctcagaccaa	gacaccctgt	agctgcttca	acatccagat
1561	gtgtgttgga	gccactgggc	acaacattcc	tcagaagcta	tcctaaatg	ccgagctgca
1621	gctggaccgg	cagaagcccc	gccagggccg	gcgggtgctg	ctgctgggct	ctcaacaggc
1681	aggcaccacc	ctgaacctgg	atctgggcgg	aaagcacagc	cccatctgcc	acaccaccat
1741	ggccttcctt	cgagatgagg	cagacttccg	ggacaagctg	agccccattg	tgctcagcct
1801	caatgtgtcc	ctaccgcccc	cggaggctgg	aatggccctt	gctgtcgtgc	tgcatggaga
1861	caccatgtgt	caggagcaga	cacgaatcgt	cctggactct	ggggaagatg	acgtatgtgt
1921	gccccagctt	cagctcactg	ccagcgtgac	gggctccccg	ctcctagtgt	gggcagataa
1981	tgtcctggag	ctgcagatgg	acgcagccaa	cgagggcgag	ggggcctatg	aagcagagct
2041	tgccgtgcac	ctgccccagg	gcgcccacta	catgcgggcc	ctaagcaatg	tcgagggcct
2101	tgagagactc	atctgtaatc	agaagaagga	gaatgagacc	agggtgggtg	tgtgtgagct
2161	gggcaacccc	atgaagaaga	acgcccagat	aggaatcgcg	atgttggtga	tgctggggaa
2221	tctggaagag	gctggggagt	ctgtgtcctt	ccagctgcag	atacgagaca	agaacagcca
2281	gaatccaaac	agcaagattg	tgtgtctgga	cgtgccgggc	cgggcagagg	cccaagtggg
2341	gctgcgaggg	aactcctttc	cagcctccct	ggtggtggca	gcagaagaag	gtgagaggga
2401	gcagaacagc	ttggacagct	ggggacccaa	agtggagcac	acctatgagc	tccacaacaa
2461	tggccctggg	actgtgaatg	gtcttcacct	cagcatccac	cttccgggac	agtcccagcc
2521	ctccgacctg	ctctacatcc	tggatataca	gccccagggg	ggccttcagt	gcttcccaca
2581	gcctcctgtc	aaccctctca	agggtggactg	ggggctgccc	atc cccagcc	cctcccccat
2641	tcacccggcc	catcacaagc	gggatcgagc	acagatcttc	ctgccagagc	ccgagcagcc
2701	ctcgaggctt	caggatccag	ttctcgtaa	ctgcgactcg	gcgccctgta	ctgtggtgca
2761	gtgtgacctg	caggagatgg	cgcgcgggca	gcgggccatg	gtcacgggtc	tggccttcct
2821	gtggctgccc	agcctctacc	agaggcctct	ggatcagttt	gtgctgcagt	cgcacgcagt
2881	gttcaacgtg	tcctccctcc	cctatgcggg	gccccgcctc	agcctgcccc	gaggggaagc
2941	tcaggtgtgg	acacagctgc	tccgggcctt	ggaggagagg	gccattccaa	tctggtgggt
3001	gctggtgggt	gtgctgggtg	gocctgtgct	gctcaccatc	ctggtcctgg	ccatgtggaa
3061	ggtcggcttc	ttcaagcgga	accggccacc	cctggaagaa	gatgatgaag	agggggagtg
3121	atggtgcagc	ctacactatt	ctagcaggag	ggttggggcg	gctacctgca	cgcgcccttc
3181	tccaacaagt	tgcctccaag	ctttgggttg	gagctgttcc	attgggtcct	cttgggtgtc
3241	tttccctccc	aacagagctg	ggctaccccc	cctcctgctg	cctaataaag	agactgagcc
3301	ctg					

Fig. 5

1	gatggccaga	gctttgtgtc	cactgcaagc	cctctggctt	ctggagtggg	tgctgctgct
61	cttgggacct	tgctgctgcc	ctccagcctg	ggccttgaac	ctggacccag	tgtagctcac
121	cttctatgca	ggccccaatg	gcagccagtt	tggattttca	ctggacttcc	acaaggacag
181	ccatgggaga	gtggccatcg	tgggtgggag	cccgcggacc	ctggggccca	gccaggagga
241	gacggggcgc	gtgttcctgt	gcccctggag	ggccgagggc	ggccagtgcc	cctcgctgct
301	ctttgacctc	cgtgatgaga	cccgaatgt	aggctcccaa	actttacaaa	ccttcaaggc
361	ccgccaagga	ctgggggctg	cggctcgtcag	ctggagcgac	gtcattgtgg	cctgcgcccc
421	ctggcagcac	tggaacgtcc	tagaaaagac	tgaggaggct	gagaagacgc	ccgtaggtag
481	ctgctttttg	gctcagccag	agagcgccg	ccgcgcccag	tactccccct	gtcgcgggaa
541	caccctgagc	cgcatttacg	tggaaaatga	ttttagctgg	gacaagcgtt	actgtgaagc
601	gggcttcagc	tccgtgggtc	ctcaggcccg	agagctgggt	cttggggctc	ctggcggcta
661	ttattttctta	ggtctcctgg	cccaggctcc	agttgcggat	attttctcga	gttaccgccc
721	aggcatcctt	ttgtggcacg	tgctctccca	gagcctctcc	tttgactcca	gcaaccacaga
781	gtacttcgac	ggctactggg	ggtactcggg	ggcctgsggc	gagttcgcag	gggatctcaa
841	cactacagaa	tatgtcgtcg	gtgccccac	ttggagctgg	accctgggag	cggtggaaat
901	tttgatttcc	tactaccaga	ggctgcatcg	gctgcgcgca	gagcagatgg	cgtcgtattt
961	tgggcattca	gtggctgtca	ctgacgtcaa	cggggatggg	aggcatgatc	tgctggtggg
1021	cgctccactg	tatatggaga	gccgggcaga	ccgaaaactg	gccgaagtgg	ggcgtgtgta
1081	tttgttctcg	cagccgcgag	gccccacgc	gctgggtgcc	cccagcctcc	tgctgactgg
1141	cacacagctc	tatgggcgat	tcggctctgc	catcgcaccc	ctgggcgacc	tcgaccggga
1201	tggctacaat	gacattgcag	tggctgcccc	ctacgggggt	cccagtgggc	ggggccaagt
1261	gctggtgttc	ctgggtcaga	gtgaggggct	gaggtcacgt	ccctcccagg	ctctggacag
1321	ccccttcccc	acaggctctg	cctttggctt	ctcccttcga	ggtgccgtag	acatcgatga
1381	caacggatac	ccagacctga	tcgtgggagc	ttacggggcc	aaccagggtg	ctgtgtacag
1441	agctcagcca	gtggtgaagg	cctctgtcca	gctactggtg	caagattcac	tgaatcctgc
1501	tgtgaagagc	tggtccttac	ctcagaccaa	gacaccctg	agctgcttca	acatccagat
1561	gtgtgttgga	gccactgggc	acaacattcc	tcagaagcta	tccttaaagt	ccgagctgca
1621	gctggaccgg	cagaagcccc	gccaggggcg	gcgggtgctg	ctgctgggct	ctcaacaggc
1681	aggcaccacc	ctgaacctgg	atctggggcg	aaagcacagc	cccattctgc	acaccaccat
1741	ggccttcctt	cgagatgagg	cagacttccg	ggacaagctg	agccccattg	tgctcagcct
1801	caatgtgtcc	ctaccgcccc	cggaggctgg	aatggcccc	gctgtcgtgc	tgcatggaga
1861	caccatgtg	caggagcaga	cacgaatcgt	cctggactct	ggggaagatg	acgtatgtgt
1921	gccccagctt	cagctcactg	ccagcgtgac	gggctcccc	ctcctagtgt	gggcagataa
1981	tgctcctggag	ctgcagatgg	acgcagccaa	cgagggcgag	ggggcctatg	aagcagagct
2041	ggcctgtcac	ctgccccagg	gcgcccacta	catgcgggcc	ctaagcaatg	tcgagggtt
2101	tgagagagct	atctgtaatc	agaagaagga	gaatgagacc	aggggtggtg	tggtgtgagct
2161	gggcaacccc	atgaagaaga	acgcccagat	aggaatcgcg	atgttggtga	gcgtggggaa
2221	tctggaagag	gctggggagt	ctgtgtcctt	ccagctgcag	atacggagca	agcaacgcca
2281	gaatccaaac	agcaagattg	tgctgctgga	cgtgccggtc	cgggcagagg	ccaagtggga
2341	gctgcgaggg	aactcctttc	cagcctccct	ggtggtggca	gcagaagaag	gtgagaggga
2401	gcagaacagc	ttggacagct	ggggacccaa	agtggagcac	acctatgagc	tccacaacaa
2461	tggccctggg	actgtgaatg	gtcttcacct	cagcatccac	cttccgggac	agtcccagcc
2521	ctccgacctg	ctctacatcc	tggatataca	gccccagggg	ggccttcagt	gcttcccaca
2581	gcctcctgtc	aaccctctca	aggtggactg	ggggctgccc	agc cccagcc	cctcccccat
2641	tcacccggcc	catcacaagc	gggatcgag	acagatcttc	ctgccagagc	ccgagcagcc
2701	ctcgaggctt	caggatccag	ttctcgtga	ctgcgactcg	gcgccctgta	ctgtggtgca
2761	gtgtgacctg	caggagatgg	cgcgcgggca	gcgggccatg	gtcacggtgc	tggccttcc
2821	gtggctgccc	agcctctacc	agaggcctct	ggatcagttt	gtgctgcagt	cgcacgcatg
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2941	tcaggtgtgg	acacagctgc	tccgggcctt	ggaggagagg	gccattccaa	tctggtgggt
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3181	tccaacaagt	tgctccaag	ctttgggttg	gagctgttcc	attgggtcct	cttgggtgctg
3241	tttccctccc	aacagagctg	ggctaccccc	cctcctgctg	cctaataaag	agactgagcc
3301	ctg					

Fig. 6

10017828-120701

MARALCPLQALWLEWVLLLLGPCAAPPAAWALNLDPVQLTFYAGPNGSQFGFSLDFHKDSHGRVAIVVGAPR
TLGPSQEETGGVFLCPWRAEGGQCPSLLFDLRDETRNVGSQTLQTFKARQGLGASVVSWSVDIVACAPWQHW
NVLEKTEEAETKTPVGSCFLAQPESSGRRAEYSPCRGNTLSRIYVENDFSWDKRYCEAGFSSVVTQAGELVLGA
PGGYYFLGLLAQAPVADIFSSYRPGILLWHVSSQSLSFDSSNPEYFDGYWGYSVAVGEFDGDLNTTEYVVGA
PTWSWTLGAVEILDSYYQRLHRLRAEQMASYFGHSVAVTDVNGDGRHDLVVGAPLYMESRADRKLAEVGRVY
LFLQPRGPHALGAPSLLLTGTQLYGRFGSAIAPLGDLDGRDGYNDIAVAAPYGGPSGRGQVLVFLGQSEGLRS
RPSQVLDSPFPTGSAGFSLRGAVDIDDNGYPDLIVGAYGANQVAVYRAQPVVKASVQLLVQDSLNPVAVKSC
VLPQTKTPVSCFNIQMCVGATGHNIPQKLSLNAELQLDRQKPRQGRRVLLLGSQQAGTTLNLDLGGKHSPIC
HTTMAFLRDEADFRDKLSPIVLSLNVSLPPTTEAGMAPAVVLHGDTHVQEQTTRIVLDSGEDDVCVPQLQLTAS
VTGSPLLVGADNVLELQMDAANECEGAYEAEALAVHLPQGAHYMRALSNEVEGFERLICNQKKENETRVLCEL
GNPMKKNAQIGIAMLVSVGNLEEAGESVSFQLQIRSKNSQNPNSKIVLLDVPVRAEAQVELRGNSFPASLVV
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PLKVDWGLP**I**SPSPSPHHAHHRDRRQIFLPEPEQPSRLQDPVLVSCDSAPCTVVQCDLQEMARGQRAMV
TVLAFLWLPSLYQRPLDQFVLQSHAWFNVSLLPYAVPPLSLPRGEAQVWTQLLRALERAIPWVVLVGVLG
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Fig. 7

MARALCPLQALWLEWVLLLLGPCAAPPAAWALNLDPVQLTFYAGPNGSQFGFSLDFHKDSHGRVAIVVGAPR
TLGPSQEETGGVFLCPWRAEGGQCPSLLFDLRDETRNVGSQTLQTFKARQGLGASVVSWSVDIVACAPWQHW
NVLEKTEEAETKTPVGSCFLAQPESSGRRAEYSPCRGNTLSRIYVENDFSWDKRYCEAGFSSVVTQAGELVLGA
PGGYYFLGLLAQAPVADIFSSYRPGILLWHVSSQSLSFDSSNPEYFDGYWGYSVAVGEFDGDLNTTEYVVGA
PTWSWTLGAVEILDSYYQRLHRLRAEQMASYFGHSVAVTDVNGDGRHDLVVGAPLYMESRADRKLAEVGRVY
LFLQPRGPHALGAPSLLLTGTQLYGRFGSAIAPLGDLDGRDGYNDIAVAAPYGGPSGRGQVLVFLGQSEGLRS
RPSQVLDSPFPTGSAGFSLRGAVDIDDNGYPDLIVGAYGANQVAVYRAQPVVKASVQLLVQDSLNPVAVKSC
VLPQTKTPVSCFNIQMCVGATGHNIPQKLSLNAELQLDRQKPRQGRRVLLLGSQQAGTTLNLDLGGKHSPIC
HTTMAFLRDEADFRDKLSPIVLSLNVSLPPTTEAGMAPAVVLHGDTHVQEQTTRIVLDSGEDDVCVPQLQLTAS
VTGSPLLVGADNVLELQMDAANECEGAYEAEALAVHLPQGAHYMRALSNEVEGFERLICNQKKENETRVLCEL
GNPMKKNAQIGIAMLVSVGNLEEAGESVSFQLQIRSKNSQNPNSKIVLLDVPVRAEAQVELRGNSFPASLVV
AAEEGEREQNSLDSWGPKEHTYELHNNNGPTVNGLHLSIHLPGQSQPSDLLYILDIQPGGLQCFPPPPVN
PLKVDWGLP**S**SPSPSPHHAHHRDRRQIFLPEPEQPSRLQDPVLVSCDSAPCTVVQCDLQEMARGQRAMV
TVLAFLWLPSLYQRPLDQFVLQSHAWFNVSLLPYAVPPLSLPRGEAQVWTQLLRALERAIPWVVLVGVLG
GLLLLLTILVLAMWKVGFFKRNRPPEEDDEEGE

Fig. 8